

Paul Chang
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HDSL
ADSL
Frame Relay

Do HDSL repeater?

ADC
Parity
Adaptive

SunSet HDSL

1. Use the 2nd generation chassis (NimH battery pack)

2. Connector pannels

T1

Right side - Dual bantam jacks for T1 line. single bantam jack to T1 external clock

Left side - Dual bantam jack and one RJ45 for HDSL line

E1

Right side - Banana 3-pin & BNC for E1 line

Left side - Banana 3-pin & BNC for E1 external clock, RJ45 for HDSL line

3. LED pannel

T1 section - signal/pulses, SF-D4, ESF, SLC-96, B8ZS, Yellow alarm, AIS, Error, BPV

E1 section - signal, PCM-30, PCM-31, CRC-4, HDB3, Alarm, AIS, Error, Code error

HDSL section -

Loop 1 - signal, marginal, error

Loop 2 - signal, marginal, error

Common - pat sync, bit error, Ext clock (to indicate T1 or E1 external clock source)

4. PCB modules

Motoup

HDSL carrier

T1/E1 interface

DSP / keyboard

LED / speaker

LCD

5. Features

T1- BERT (long bit pattern test)

E1 - BERT (use dallas BERT chip, 32 bit repeating)

G.821, G.826, M2100/M550

T1/E1 signal level, frequency, wander measurement

T1/E1 voice channel drop/insert, send/recv tone, noise (same as E10/T10)

T1/E1 frame relay (option)

ISDN PRI call setup (option)

Digital Analysis, call

SunSet X DSL

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SunSet **ADSL**

How many flavors supported?
VDSL, non-Alcatel?

1. Use the 2nd generation chassis (NimH battery pack)

2. Connector pannels

Right side - RJ45 for ADSL connection, RJ11 for POTS handset connection

Left side - Blank

3. LED pannel

ADSL - signal, marginal, error

ATM - (to be defined)

Common - pat sync, bit error

4. PCB modules

Motoup

ADSL interface, POTS interface

ADSL processor and ATM cell generator

DSP / keyboard

LED / speaker

LCD

5. Features

ADSL BERT

G.821, G.826, M2100/M550

ADSL - G filter (1K to 3M) and level/freq measurement (option)

ADSL - send tone (~ 300Khz) (option)

ATM cell generation and BERT (option)

Histogram

Dual PCMCIA cards

Band Mgmt

PING?

FOX?

HDSL - BERT

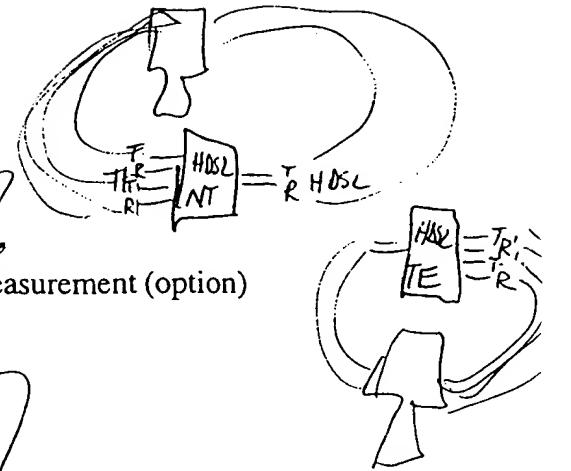
HDSL - T1/E1 adaptor test

HDSL - E & F filter (1K to 750K) and level/freq measurement (option)

HDSL - send tone (~ 200Khz) (option)

Histogram

Dual PCMCIA cards



NT & LT emulation?

Supports FairGaming, Adtran, ADC?

SunSet HDSL

Cost break:

1. Chassis (including labels) -
2. MOTOUP
3. T1 INTERFACE
4. HDSL board carrier ++
5. LED
6. DSP
7. Battery + charger

Total

List price

Base unit

T1, HDSL, TIMS

PRI - option

Frame Relay - option

ESF data link - option

Intelligent products - option